



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Atsushi HAYAMI et al.

Serial No. 10/005,247

Filed: December 7, 2001

For: MODULATION SYSTEM

Art Unit: 2613

Examiner:

Atty Docket: 0102/0190

#6
on
5-4-04

INFORMATION DISCLOSURE STATEMENT
FILED PURSUANT TO 37 CFR 1.97

RECEIVED

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

APR 28 2004
Technology Center 2600

Sir:

For insuring compliance with the applicants' duty of disclosure under 37 CFR §1.56, the undersigned hereby submits the documents listed on the attached Form PTO-1449 for consideration by the Examiner in charge of the above-identified patent application.

These documents are being submitted (check only one of the next four boxes):

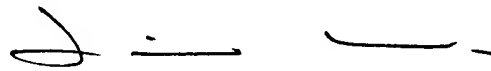
- ☐ within three months of the filing of the above U.S. national application or of the date of entry of the U.S. national stage in an International Patent Application (no fee is due); (37 CFR §1.97(b))
- ☒ before receiving a first Office Action on the merits of the above-identified patent application (no fee is due); (37 CFR §1.97(b))
- ☐ following receipt of a first Office Action, but before issuance of a Final Office Action or a Notice of Allowance (if this box is checked, one of the last three boxes also must be checked); (37 CFR §1.97(c))

OR

- ☐ following receipt of a Notice of Allowance or a Final Office Action. The undersigned hereby requests consideration of this Information Disclosure Statement after the mailing the Final Office Action or Notice of Allowance by filing this Information Disclosure Statement under 37 CFR §1.97(d)
- ☐ The Commissioner is authorized to debit \$180.00 for payment of the fee set forth in 37 CFR § 1.17(p). (37 CFR §1.97(d)(2))
- ☒ [XX] The undersigned certifies that each item of this information is being submitted within three months of the date it was cited by the European Patent Office in a counterpart application. (37 CFR §1.97(e)(1))
- ☐ The undersigned certifies that, after making reasonable inquiry, he/she has no knowledge that any item of this information was cited by a foreign patent office in a counterpart application or was known more than three months prior to this submission. (37 CFR §1.97(e)(2))

The Commissioner is hereby authorized to charge payment of any deficiency in the above fee(s) or to charge any additional fees required under 37 CFR § 1.16 or 1.17 or credit any overpayment to Deposit Account No. 50-0501. A duplicate copy of this authorization is attached for the Finance Branch.

Respectfully submitted,



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Date: April 27, 2004

FORM PTO-1449

INFORMATION DISCLOSURE CITATIONAtty Docket
0102/0190Serial No.
10/005,247Applicant
Atsushi HAYAMI et al.Filing Date
December 7, 2001

Group Art Unit

U.S. PATENT DOCUMENTS

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

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FOREIGN PATENT DOCUMENTS

		Document Number	Date	Country	Class	Sub-Class	Translation
	AL						
	AM						
	AN						
	AO						
	AP						

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		D.J. Lynch, "The Suitability of Various Line Coding Techniques for the Simultaneous Transmission of Data with Voice over Copper Telephone lines", December 1997, pages 12-59, xp2213739
	AS		
	AT		

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609.
 Draw line through citation if not in conformance and not considered.
 Include copy of this form with next communication to Applicant.